

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application : John D. Nelson, Thomas J. Palys  
and Jon R. Geiger  
Serial No. :  
Filed : Herewith  
For : PYRITHIONE BIOCIDES ENHANCED  
BY COPPER OR ZINC METAL IONS  
Examiner :  
Attorney Docket : 101992-200  
Group Art Unit :

1c844 U.S. PTO  
09/599371  
06/22/00

\* \* \* \* \*

I hereby certify that this correspondence is being deposited  
with the United States Postal Service as first class mail in an  
envelope addressed to: Commissioner for Patents, Washington,  
D.C. 20231 on 22 June 2000.

By

Todd E. Garabedian  
Todd E. Garabedian, Ph.D.  
Registration No. 39,197  
Attorney for Applicant(s)

\* \* \* \* \*

INFORMATION DISCLOSURE LETTER

Commissioner for Patents  
Washington, D.C. 20231

Sir:

The undersigned represents that the closest art of which he  
is presently aware has been cited herein and understands that  
this statement shall not be construed as a representation that  
no better art exists or that a thorough patentability search has  
been made.

The undersigned further represents that the filing of this  
Information Disclosure Statement shall not be construed to be an  
admission that the information cited in the Statement is, or is  
considered to be, material to patentability as defined in 37  
C.F.R. § 1.56(b).

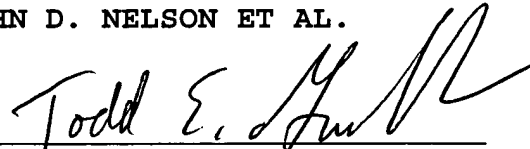
1. U.S. Patent No. 2,786,847 issued March 26, 1957 to Cislak.
2. U.S. Patent No. 2,809,971 issued October 15, 1957 to Bernstein et al.
3. U.S. Patent No. 3,589,999 issued June 29, 1971 to McRae et al.
4. U.S. Patent No. 3,590,035 issued June 29, 1971 to Damico.
5. U.S. Patent No. 3,773,770 issued November 20, 1973 to Damico.
6. U.S. Patent No. 4,055,655 issued October 25, 1977 to Gerald L. Maurer, et al.
7. U.S. Patent No. 4,161,526 issued July 17, 1979 to Gorman.
8. U.S. Patent No. 4,235,873 issued November 25, 1980 to Albert M. Packman.
9. U.S. Patent No. 4,370,325 issued January 25, 1983 to Albert M. Packman.
10. U.S. Patent No. 4,608,183 issued August 26, 1986 to Harold W. Rossmoore.
11. U.S. Patent No. 4,654,213 issued March 31, 1987 to Jose E. Ramirez et al.
12. U.S. Patent No. 4,666,616 issued May 19, 1987 to Harold W. Rossmoore.
13. U.S. Patent No. 5,462,589 issued October 31, 1995 to Nicholas et al.
14. U.S. Patent No. 5,562,995 issued October 8, 1996 to Paul S. Kappock et al.
15. U.S. Patent No. 5,614,538 issued March 25, 1997 to John D. Nelson, Jr.

16. U.S. Patent No. 5,854,266 issued December 29, 1998 to John D. Nelson, Jr.
17. U.S. Patent No. 5,883,154 issued March 16, 1999 to Paul S. Kappock et al.
18. PCT Application WO 99/21568 published May 6, 1999.
19. Japanese Patent Application No. HEI 6-134227 issued May 17, 1994 to Kenji Nagata.
20. Japanese Patent Application No. HEI 7-118103 issued May 9, 1995 to Ryuzo Fujita.
21. Japanese Patent Application No. 6-256689 antifungal coatings composed of zeolites impregnated with heavy metals, preferably silver, and either a benzimidazole or a metal salt of 2-pyridiylthio-1-oxide, preferably, zinc.
22. UK Patent Application No. GB 2 230 190 A issued October 17, 1990 to Fraser Forrest Morpeth.
23. European Patent Application No. 0 077 630 issued December 10, 1982.
24. E.O. Bennett, et al., *"The Effects of Metals Upon The Inhibitory Activities of Cutting Fluid Preservatives"*, International Biodeterioration Bulletin ISSN 0020-6164 18(1), Spring 1982.
25. Akiyama, et al., *"Effects fo zinc oxide on the attachment of Staphylococcus aureus strains"*, Journal of Dermatological Science, 17 (1998), pp. 67-74.

If the Examiner has any questions or feels that a discussion with Applicants' representative would expedite prosecution, the Examiner is invited and encouraged to contact Applicants' undersigned representative at the telephone number listed below.

Respectfully submitted,

JOHN D. NELSON ET AL.

By 

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Date: 22 June 2000



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Registration No. 39,197  
Attorney for Applicant(s)

\*\*\*\*\*

INFORMATION DISCLOSURE STATEMENT

Commissioner of Patents  
Washington, DC 20231

Dear Sir:

Pursuant to 37 C.F.R. §1.56, the Examiner is respectfully  
requested to consider the references cited on attached Form PTO-  
1449. A copy of each reference (if not previously submitted) is  
enclosed. It is respectfully requested that the information be  
expressly considered during the prosecution of this application,  
and that the reference(s) be made of record therein and appear  
among the "References Cited" on any patent to issue therefrom.

- [X] 1. This Information Disclosure Statement is being filed  
within three months of the U.S. filing date OR before the  
mailing date of a first Office Action on the merits. No  
certification or fee is required.

- [ ] 2. This Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection or Notice of Allowance.
- [ ] a. Each item of information contained on Form PTO-1449 filed herewith was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. §1.97(e)(1); and no fee is required under 37 C.F.R. §1.17(p).
- [ ] b. No item of information cited on Form PTO-1449 filed herewith was cited in a communication from a foreign patent office in a counterpart foreign application or, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. §1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. §1.97(e)(2); and no fee is required under 37 C.F.R. §1.17(p).
- [ ] Please charge Deposit Account No. 23-1665 in the amount of \$240.00 in payment of the fee under 37 C.F.R. §1.17(p). Two additional copies of this Information Disclosure Statement are enclosed.
- [ ] A check in the amount of \$240.00 is attached hereto in payment of the fee under 37 C.F.R. §1.17(p).
- [ ] 3. This Information Disclosure Statement is being filed more than three months after the U.S. filing date and after the mailing date of a Final Rejection or Notice of Allowance, but before payment of the Issue Fee. It is hereby requested that the Information Disclosure Statement be considered.
- [ ] a. Each item of information contained on Form PTO-1449 filed herewith was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. §1.97(e)(1).

- [ ] b. No item of information cited on Form PTO-1449 filed herewith was cited in a communication from a foreign patent office in a counterpart foreign application or, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. §1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. §1.97(e)(2).
- [ ] Please charge Deposit Account No. 23-1665 in the amount of \$130.00 in payment of the fee under 37 C.F.R. §1.17(i)(1). Two additional copies of this Information Disclosure Statement are enclosed.
- [ ] A check in the amount of \$130.00 is attached hereto in payment of the fee under 37 C.F.R. §1.17(i)(1).

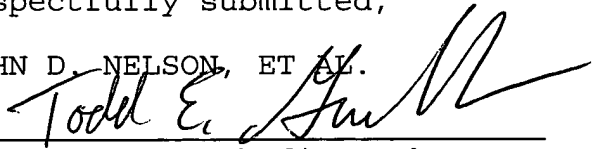
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Respectfully submitted,

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